

Notice of Allowability

Application No.

09/389,841

Examiner

HENRY N. TRAN

Applicant(s)

SVENSSON ET AL.

Art Unit

2674

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the Reply filed 4/19/05 and the Interview on 5/23/05.
2. ☒ The allowed claim(s) is/are 1-35, 54, 55 and 58-61; renumbered as 1-41.
3. ☒ The drawings filed on 17 January 2003 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892) ✓
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date attached herewith.
7. ☒ Examiner's Amendment/Comment ✓
8. ☒ Examiner's Statement of Reasons for Allowance ✓
9. ☐ Other _____

Henry N. Tran

HENRY N. TRAN
PRIMARY EXAMINER

DETAILED ACTION

The Applicants' Response filed 4/19/05 has been considered in preparing this Office action. Applicants' Remarks/Arguments have overcome rejections recited in the prior Office action.

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with applicants' attorney, Mr. Marc E. Brown, Reg. No. 28,590 on 5/23/05.

The application has been amended as follows:

In The Claim Section:

Claims 36-53, 56, 57 and 62-74 are canceled.

Claim 26: in line 4, after "a first electrical", delete "switch ing", insert --switching--.

(see the attached " Examiner's Amendment Sheet").

Allowable Subject Matter

2. Claims 1-35, 54, 55 and 58-61 are allowed, and are renumbered as 1-41.

The following is an examiner's statement of reasons for allowance:

The claim invention is directed to a system and process that reduces the energy that is consumed by charging and discharging of driver lines in a display device. Applicants' Remarks provided in pages 2-4 of the Amendment have specifically pointed out the patentable novelty features and the differences between the claimed invention and the prior art of record.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

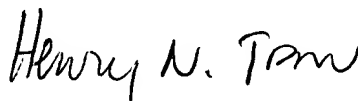
3. The prior art made of record and not relied upon is considered pertinent to applicants' disclosure. They are U.S. Patents Nos.: 6,271,783 (Cairns et al) and 6,094,192 (Kobayashi et al) that teach display systems which consumes less power by using a quasi-adiabatic charging and discharging process or recovering and reutilizing the energy stored in the common electrode.

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to HENRY N. TRAN whose telephone number is 571-272-7760. The examiner can normally be reached on M-F 8:00-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, PATRICK N. EDOUARD can be reached on 571-272-7603. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



HENRY N TRAN
Primary Examiner
Art Unit 2674

5/23/05

Examiner's Amendment Sheet

26. (Currently Amended) The circuit of claim 25 wherein:

- a) the source and reservoir constitute a supply that generates a signal that facilitates adiabatic charging and discharging,
- b) said voltage connection system includes a first electrical ~~switching~~ switching system connected between the supply and the line;
- c) said recovery connection system includes a second electrical switching system connected between the supply and the line; and
- d) said control system controls said first and second electrical switching systems.